



WATER MANAGEMENT MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR OCTOBER 2001

HIGHLIGHTS – Cairo stage began the month at 15.3 feet and ended at 23.3 feet and was falling after cresting at 27.6 feet on the 27th of October. Normal stage for October is 17 feet.

WEATHER –The weather during October was quite varied across the basin. Temperatures were above normal in the northeastern areas of the basin and ranged to below normal in the southern regions. Precipitation was well above normal over the northwestern half of the basin and well below normal to the southeast in Virginia, West Virginia, North Carolina and eastern Tennessee. Rainfall in amounts of 10 inches were measured in western Indiana and Illinois which is nearly four times the expected rainfall during October.

TEMPERATURE AND PRECIPITATION – OCTOBER 2001

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	54.2	+1.8	2.33	-0.03
Charleston, WV	55.1	-1.1	1.36	-1.53
Columbus, OH	55.8	+2.1	3.32	+1.17
Cincinnati, OH	55.2	+0.1	6.73	+3.87
Louisville, KY	58.8	+1.2	6.39	+3.68
Indianapolis, IN	54.4	-0.3	7.02	+4.39
Evansville, IN	56.5	-0.8	7.27	+4.79

Nashville, TN	58.5	-1.9	4.61	+1.99
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STREAMFLOW -- Ohio River monthly average flows for October ranged from a low of 67 percent of normal at Pittsburgh, PA to a high of 196 percent of normal at Paducah, KY. Daily flows ranged from a low of 30 percent of normal at Evansville, IN to a high of 498 percent of normal at Evansville, IN.

The following table presents the flow data summary for October at the Ohio River Index Stations:

FLOW DATA – OCTOBER 2001

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	8,000	67	118	45
Huntington, WV	19,000	78	155	41
Cincinnati, OH	32,200	118	353	51
Louisville, KY	42,600	151	490	43
Evansville, IN	54,700	165	498	30
Paducah, KY	162,700	196	362	69

RESERVOIRS -- October started with 0.9% utilization of the total system flood control storage and ended the month at 3.2%. System-wide augmentation storage increased from 83.2% at the beginning of the month to 85.4% by the end of the month. Significant flood storage utilization in excess of 25% occurred at Salamonie, Cagles Mills and Huntington projects and in excess of 50% at C.M.Harden project during the month. All four projects are located in the Wabash River basin of Indiana.

The following table depicts storage change by tributary reservoir subsystem for October:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
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Allegheny-Monongahela-Beaver	-98,700
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-80,100
Twelvepole-Big Sandy-Little Sandy-Scioto	-51,600
Little Miami-Licking-Mill Creek-Great Miami	-19,500
Kentucky-Salt-Green-Wabash	+113,600
Cumberland	-351,500
TOTAL	-487,800

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